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Kurohanko, O. K.

Diffusion bonding. 12 pp.

AUTOMATICHESKAYA SVARKA, Vol 143, No 3, 1965, pp 9-21

FTD-MT-65-63

101 66

Slapovsk, V. P.

Diffusion welding in carbon dioxide gas.

AVTONAT SVARKA. Vol 143, No 2, 1955, pp 23-27

FTD-17-55-51

mar 55

Second All-Union Conference on Welding
Dissimilar Metals, by V. R. Rybov, 5 pp,
RUSSIAN, per, Avtomaticheskaya Svarka, No
4, Apr 1965, pp. 79-80,
JPRS 30487

USSR
Sci-M/M
Jun 65

281,560

Investigation of the Metallurgical Processes
in the Electroslag Remelting of Steel, by Yu
V. Latash, 9 pp.
RUSSIAN, per, Avtomaticheskaya, No 9,
Sept 1965, pp. 25-29.
JPRS 34485

USSR
Sci-M/M
Mar 66

296,845

Optimum Modes of Electroslag Welding to Provide Dimensional Precision of Products, by I. I. Gushchuk-Glyusarenko and I. I. Lychko, 6 pp.
RUSSIAN, per, Avtomaticheskaya svarka, No 11, Nov 1965, pp. 25-27.
JPRS 34485

USSR

Sci-M/N
Mar 66

296,846

Kinetics of Phase Transformations in VT-15
Alloy Weld Joints, by V. F. Grabin, V. G.
Vasil'yev, A. Kushnirenko, V. N. Zankov, and
A. A. Gordinaya, 12 pp.
RUSSIAN, per. Avtomaticheskaya Svarka, No 6,
Jun 1966, pp. 10-15,
JPRS 38370

USSR
Sci. Engr
Nov 66

313,763

CO₂ Welding of Ship Hull Structures, by
A. G. Potap'yevskiy, Ye. Ye. Bayakiy.
RUSSIAN, per, Avtomaticheskaya Svarka, No 9,
1966, pp 24-27.
NAV/NIC/Tren-2879-69

Sai-Mech
Oct 69

392,918

Welding Graphite Materials, by N. L. Karota and
N. N. Mafedov, 6 pp.
RUSSIAN, per, Aviatsionicheskaya Svarka, No. 1,
Jan 1967, pp. 56-58.
JPRS 42228

UNER
Sci-Mech
Sept 67

338,929

Patterns of Cumulative Fatigue Damage in Weldments,
by M. M. Gokhberg, N. Ya. Rozovskiy.
RUSSIAN, per, Avtomaticheskaya Svarka, No 3, 1968,
pp 34-40.
FTD-S-288-297-68

Jan 69

373,558

7
Natural Corrosion Tests of Welded Aluminum-Steel
Joints, by H. A. Langer, V. R. Lyabov, et al.
11 pp.
RUSSIAN, per, Avtomaticheskaya Svarka, No 4,
1968, pp 23-28.
AIN/ETD/INT-23-1083-68

sci/materials
june 69

382,987

Thermal Characteristics of Submerged ARC
Welding of an Il-Mn Alloy Using a Three
Phase Arc, by L. N. Fridman.
RUSSIAN, per, Avtomaticheskaya Svarka, No 8,
1968, pp 11-12.
NTC-70-12849-13H

Feb 72

The Use of Bimetal in Welding Ships Super-
structures.
RUSSIAN, per, Avtomaticheskaya Svarka,
No 9 (186), 1968, pp 51-55.
Dept of Navy NIC Trans No 2805

Sci-Mech
May 69

382,739

Thermal Resistance of Sheeted Metal Resistant
EI868 Alloy and its Welded Joints, by
Ye. M. Pronina, A. M. Demchenko, et al. 8 pp.
RUSSIAN, per, Avtomaticheskaya Svarka, No 10,
1968, pp 8-12.
FTD S-~~002~~ HT-276-69

june 69

384,137

Automatic Welding of Brass with Br.AMts9-2
Wire, by I. I. Dachevaga, A. P. Mal'kov.
RUSSIAN, per, Avtomaticheskaya Svarka, No 11,
1968, pp 41-43.
Dept of Navy NRC 2923

Sci-Materials
Nov 69

395,757

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AUTOMATICHESKAYA SVARKA
1966 № P14-12
1969 № P71-72

70-10000-13M <*>
C-8395 <NRC>
70-11323-11F <*>

Experiment in welding metals in the Cosmos.
AVIATION SVARHA, No 5, 1970, pp 7-11
FT-FT-Special 206-70

jul 70

Automatic Control, by E. Kh. Khermanis,
G.P. Fritanovich, 272 pp.
RUSSIAN, bk, Avtomaticheskoye Upravleniye,
1967.

NASA TT F-565
CPSTI TT 69-55028

Sci/elec
May 70

404,020

Automatic Control of Unit Power Plants by Means
of Computers, by M. A. Dzel'. 18 pp.
RUSSIAN, bk, Avtomaticheskoye Upravleniye Bio-
chnymi Energoustanovkami s Primeneniyem
Vychislitel'nykh Mashin, 1969, pp 71-84.
AIR/FTD/MT-24-311-70

Sept 71

Methods of Improving the Operational Reliability
of Control Computers, by N. I. Tsiklinskiy,
A. I. Korolev. 35 pp.
RUSSIAN, per, Avtomaticheskoye Upravleniye i
Vychislitel'naya Tekhnika, No 7, 1967, pp 206-235
AIR/FTD/HT-23-230-69

sci/electronics
Apr 70

404,529

Development and Method of Simulation of Certain
Algorithms of Normalization of Plane Patterns
on a Computer (EtsVM), by B. V. Anisimov,
V. K. Zlobin, 17 pp.
RUSSIAN, per, Avtomaticheskoye Upravleniye i
Vychisl Tekhnika, No 9, 1968, pp 199-212.
AIR/FTD/MT-24-35-70

Ref-Elec
June 70

REQ TR CHECK

30-03-73

T446

COMPUTER SIMULATION OF THE PROCESS OF THE
AUTOMATIC SCANNING OF SPACIAL OBJECTS DURING
THEIR RECOGNITION

ZLOBIN, V.K.; ZLOBINA, N.V.

SR: AVTOMATICHESKOYE UPRAVLENIYE I
VYCHISLITEL'NAYA TEKHNIKA, 1972, pp. 221-228

Process in as
HT 73-23-0397

Negative
3 apr 73

Automatic Fire Extinguishers,
by A. A. Rode.
RUSSIAN, bk, Avtomaticheskie Ustanovki
Dlya Tusheniya Pozharov, 1965, 187 pp.
NII R-38526

Sci-Engr
May 66

300,363

REQ TR CHECK

27-03-73

T423

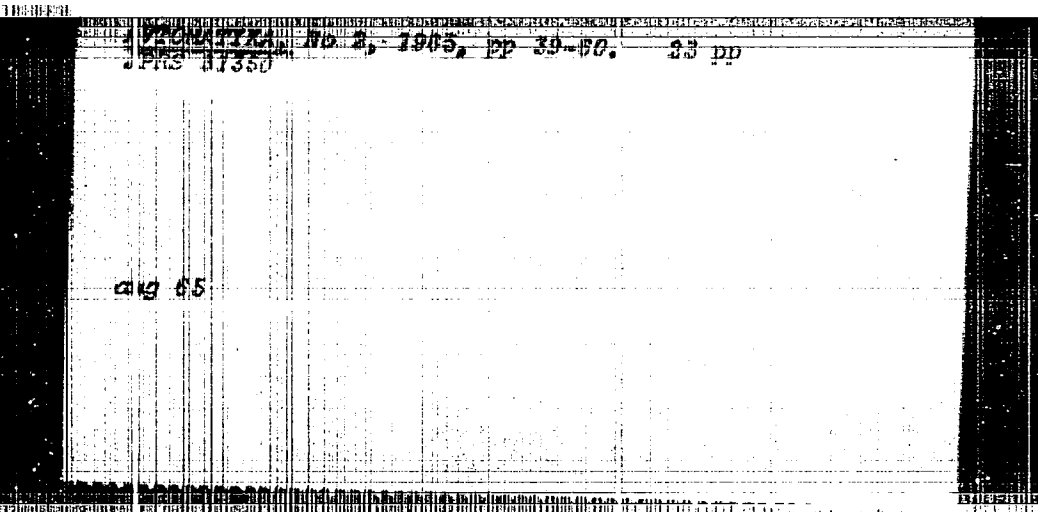
AUTOMATA AND THE CONTROL OF COMMUNICATIONS
NETWORKS

LAZAREV, V.G.

UR: AVTOMATY I UPRAVLENIYE SETYAMI SVYAZI
1971, pp. 3-216

Process in as
MT 73 - 24 - 0406

Negative
13 Apr 73



Coordination Variant for General-Purpose Control
and Dispatcher Centralization Machines, by
V. P. Vinnyts'kyi. 8 pp.
UKRAINIAN, per, Avtomatyka, No 6, 1965, pp 48-53
AIR/FTD/AT-23-1617-67

sci/electronics
mar 69

377,814

An Algorithm of Recognition Systems of the Per-
septum Type with a Correlator at the Input, by
V. I. Vasyli'yev, O. N. Ivakhnenko, 22 pp.

PERAZHNIK, per. *Avtomatika*, No 1, 1966, pp 7-

121. P100373067

17TD-HI-23-352-67

121-1100

Jan 68

348.651

A New Method for Determining the Dynamic
Characteristics of Automatic Control Plants,
by L. I. Voronova and Yu. V. Kriventulo,
UKRAINIAN, per, Avtomatika, No 2, 1966, pp 3-7.
Dept of Navy 5069/APL TG 230-TS(2)

Sci-Agri
Dec 66

315,532

Arithmetical Operations Over Integers with
Arbitrary Signs in a System of Residue Classes
and Their Circuit Realization, by
Yu. P. Sobolevsky, 18 pp.
RUSSIAN, per. *Avtomatika*, No 2, 1966, pp 17-26.
P100073968-y
JTD-HT-23-580-67

Sci/Math Sci
May 68

356,779

Industrial Test of Open-Loop Part of Control
System of a Device for Continuous Cooking of
Masses, by L. Z. Amlins'kyy and V. I.
Neskhodovs'kyy, 9 pp.
UKRAINIAN, per, Avtomatyka, Vol. VI, 1966,
pp. 46-52.
JPRS 40084

USSR
Econ
Mar 67

321,003

Ultrasonic Method of Analysing the Crystal-
Containing Mass When Automating Sugar-
Crystallisation Processes, by L. Z. Anlins'-
kyy, 7 pp.
UKRAINIAN, per, ~~Arkovytsa~~ No 2, Mar-Apr
1966, pp. 65-71.
JPRS 35826

USSR
Sol. Phys
Jun 66

303,070

Criterion of Number of Resolvable Arguments for
Selection of Useful Signs for Recognition and
Prediction Systems, by O. H. Ivakhninko.
UKRAINIAN, per, Avtomatyka, No 4, 1966, pp 26-39.
AIR/FTD/HT-23-1607-67

Sci-Soc
Feb 69

373,025

Analysis of a Cryotron Memory Scheme With Many
Stable States, by I. D. Voytovich, et al. 6 pp.
RUSSIAN, per, Avtomatyka, No 6, 1966, pp 65-69.
FTD S-694 405-69

july 69

384,268

Description of Pictures by Integral Contour
Functions, by V. I. Vasilyov, et al. 7 pp.
RUSSIAN, per, Avtomatyka, No 2, 1967, pp 26-31.
FTD S-~~787~~ 410-69

410-69

july 69

384,316

Long Lasting Memory Device With Metal Per-
formation Cards (LDP-MK), by R. Ya. Chernyak,
Yu. M. Sal'kov, et al. 7 pp.
UKRAINIAN, per, Avtoratyka, No 2, 1967,
pp 81-83.
AIR/FTD/HT-23-33-68

Sci/electronics
feb 69

375,606

Constructing a Cardiac Function Algorithm, by
V. O. Iishchuk, 22 pp.
UKRAINIAN, per. Avtonomya, Kiev, No 3, 1967,
pp 60-75.
JPRS 48305

Sci-B and M
July 69

383,978

Experience in the Utilization of the "Inipro"
Controlling Machine in the National Economy, by
L. A. Gil'levich. 14 pp.
IZVESTIYA, per, vytomatyka, No 3, 1967, pp 87-91.
AIF/PTD/IT-23-744-68

sci/electronics
june 69

384,167

An Adequacy Theorem for an Object and its
Recognition System, by T. Gergely. 12 pp.
RUSSIAN, per, Avtomatika, No 1, 1967,
pp 38-47.
AIR/FTD/ET-23-997-68

sci/ b and m
oct 69

394,242

Optimization of Recognition System Training, by
T. Goryely, V. P. Medvedev. 10 pp.
RUSSIAN, par, Avtonatyka, No 6, 1967, pp 14-22.
AIR/ITD/PI-23-139-69

sci/electronics
feb 70

401,024

Evaluation of Numerical Design Parameters, by
Yu. P., Zaychanka. 61p
UKRAINIAN, rpt, Avtonatyka, No. 6, 1967, pp 23-27
~~AIR/PTD/IT-23-823-68~~

Math/Sci
July 69

387,327

Systems for the Identification of Moving Objects,
by O. G. Ivakhnenko, et al. 36 pp.

RUSSIAN, per, Avtomatika, No 6, 1967, pp 28-
48.

AIR/FTD-HC-23-1472-68

Aug 71

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Automatyka, No 3, May-June 1969

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Mar 70

Avtomatyka, No 4, Jul-Aug 1969, pp1-67.

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Avtomatyka, No 5, 1969.

Full tr by Scripta Electronica

Available at Ly Serials

July 70

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July 70

Problems of Complex System Modeling and Applied
Mathematical Statistics, by O. G. Ivakhnenko,
13 pp.
UKRAINIAN, per. Avtomatika, Kiev, No 6, 1971, pp
3-11.
JPRS 56072

May 72

Problems of Axiomatic Approach to the Construction
of the Theory of Logic-dynamic Control, Part II,
by K. D. Zhuk, 16 pp.
UKRAINIAN, per, Avtomatyka, Kiev, No 6, 1971,
pp 21-32.
JPRS 56072

MAY 72

A Hypothetical "Heart-Lungs" Model, by
R. V. Beliyakov, 7 pp.
UKRAINIAN, per. Avtomatyka, Kiev, No 6, 1971,
pp 65-68.
JPRS 56072

483 72

On the Choice of an Index Function for Long-
term Prognostication of the Development of
Science, by P. B. Vasylyk, 13 pp.
UKRAINIAN, per, Avtomatika, Kiev, No 6, 1971.
pp 66-73.
JPRS 56072

May 72

Method of designing high speed arithmetical elements
of digital computers, by V. V. Ovchinnikov.
USSR, per, Automatika, July-August 1971, Vol 18
pp 70-79
FTD-RS-72-25-0916

may 72

The Fourth All-Union Conference on the Theory of
Invariance and the Theory of Sensitivity of
Automatic Control Systems (26-30 Apr 1971, Kiev),
by L. M. Loychuk, M. M. Chumakov, 7 pp.
UKRAINIAN, per. Avtomatyka, Kiev, No 6, 1971,
pp 77-79.
JPRS 56072

May 72

Automation of Aircraft and Rocket Power Plants,
by A. A. Shavyakov. 431 pp.
RUSSIAN, bk, Avtomatika Aviatsionnykh i Raketnykh
Silovykh Dvigatelay, 1965, pp 1-348.
AIR/TID/IN-23-759-67

sci/ aeronautics
nov 69

397,258

Automation of Aircraft and Rocket Power Plants,
by A. A. Shevvyakov, 202 pp.
RUSSIAN, bk. Aviatsionika i Raketostroyeniye
Silovyykh Ustanovok, 1965, pp 349-546.
P100186368-V
FTD-MR-67-10

S-1/Prop & Fuels
Supt 68

364,954

The Algorithm of Teaching an Open System of
Extreme Control in Proper Identification of a
Situation, by Yu. M. Chekhoviy and
I. P. Kerekesner, 15 pp.
RUSSIAN, per, Automatika. Institut Kibernetiki
AN URSS, No 4, 1967, pp 44-54.
FI00137368-y
FTD-EP-67-443

Sci-Electronics and Elec Eng
July 68

360,731

The "Alfa" System Recognizes Situations of a
Model of an Extreme Control Object, by
L. N. Iwas & T. D. Kravets'.
UKRAINIAN, par, Avtomatika, Institut Kibernetiki
AN USSR, No 001, 1966, pp 43-47. P100106168-V
FTD-HT-23-67-758

Sci/Electron & Electr Engr
June 68

359,294

Instrument Production to Reach the Level
of the Foremost Modern Technology, 5 pp.
RUSKIN, per, Aviatsiya i Priborostroyen-
ing, No 2, 1965, pp. 3-5.
JPRS 31922

USSR
Econ
Oct 65

289,583

Automata Behavior in Random Media With Restricted
Length of Input Words, by E. M. Vavilov,
K. L. Kostov, 7 pp.
UKRAINIAN, per. Avtomatyka, Kiev, No 6, 1971,
pp 50-54.
JPRS 56072

May 72

Using An An APM-1 Printer at the Computer
Output, by V. Ye. Khodakov, 6 pp.
RUSSIAN, per, Avtomatika i Priborostroyeniye,
No 2, 1965, pp 31-33.

F100305067

FTD-HT-66-493

Sci-Electronics and
Electrical Engr.
Dec 67

344,433

High Speed Division Analog Computer, by N. I.
Krasnikov, P. F. Oleksenko, 4 pp.
RUSSIAN, per, Avtomatika i Priborostroyeniye,
No 3, 1965, pp 26-27. P100313867
FTD-HT-66-737

Sci-Electronics and Electrical Engr.
Dec 67

344,408

Improvement of Digital Computer Photoreading,
by N. A. Zhaleiko and V. S. Mirdan, 5 pp.
RUSSIAN, per, Axiomatika i Priborostroyeniye,
No 3, 1965, pp 29-31. P100313567
FTD-HT-66-737

Sci-Electronics and
Electrical Engr.
Dec 67

344,409

Magnetostriction Delay Lines, by A. M. Gorman,
G. K. Gridin, 5 pp.
RUSSIAN, per, Avtomatika i Priborostroyeniye,
No 3, 1965, pp 35-37. F100313867
FTD-RT-66-737

Sci-Electronics and
Electrical Eng.

344,410

The Use of Ferro-Transistor Components for
Digital Programmed Machine Control by
A. I. Pinkel', 4 pp.
RUSSEMAN, per, Avtomatika i Priberostroyeniye,
No 3, 1965, pp 37-39.
ACSI J-0571
ID 2204038666

Sci-Elect
Aug 66

307,377

Automation and Control of Jet Engines,
by B. A. Cherkasov.
RUSSIAN, bk, Avtomatika i Regulirovaniye
Vozdushno-Reaktivnykh Dvigatelye, 1965,
403 pp.

AIR/FTD/MT-23-237-68

24

Sci-Aero
Apr 69

380,353

Automation in Water Supply and Sewerage
Systems, by V. L. Chapkovskii.
RUSSIAN, bk, Avtomatika v Sistemakh
Vodosnabzheniya i Kanalizatsii, 1965.
NII N-38820

Sci-Engr
May 66

301,416

AVTOMATIKA I TELEMEXHANIKA, VOL. XXVII, NOS. 1 - 12,
1966.

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